

A. G. Contract No. KR98 1613TRN  
ADOT ECS File No. JPA 98-120  
Project: H5092 01C  
Section: SR-89 & SR-69 Turn Lanes

INTERGOVERNMENTAL AGREEMENT  
BETWEEN  
THE STATE OF ARIZONA  
AND  
YAVAPAI COUNTY, ARIZONA

THIS AGREEMENT is entered into 4 November, 1998  
pursuant to Arizona Revised Statutes, Sections 11-951 through 11-954, as amended,  
between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF  
TRANSPORTATION (the "State") and YAVAPAI COUNTY, ARIZONA, acting by and  
through its BOARD OF SUPERVISORS (the "County").

I. RECITALS

1. The State is empowered by Arizona Revised Statutes Section 28-401 to enter into this agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this agreement and has delegated to the undersigned the authority to execute this agreement on behalf of the State.

2. The County is empowered by Arizona Revised Statutes Section 11-251 to enter into this agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this agreement and has authorized the undersigned to execute this agreement on behalf of the County.

3. The State and the County desire to construct a right/left turn lane on SR-89 at MP 337.58 at a cost currently estimated at \$232,400.00, and six (6) right turn lanes on SR-69 at MP 290.80, 291.0, 291.1, 291.3, and 291.6 at a cost currently estimated at \$265,100.00, for a total estimated cost of \$497,500, hereinafter referred to as the Project, for the safety and benefit of the traveling public. The parties hereto agree the Project shall be constructed generally in accordance with the attached project scoping documents, and the County shall be the lead agency for the Project. In the event the cost of the Project exceeds the estimates herein, the parties will mutually agree to their proportionate share of the additional costs.

THEREFORE, in consideration of the mutual agreements expressed herein, it is agreed as follows:

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NO. 22773

Filed with the Secretary of State

Date Filed: 11/04/98

Betty Gayles

Secretary of State

By W. D. Greenwood

## II. SCOPE OF WORK

### 1. The County will:

a. Call for bids and with the concurrence of the State, award one or more construction contracts for the Project. Administer same and make all payments to the contractor(s). Confer with the State on any Project construction contract modifications, and be responsible for its proportionate share of same, as well as any contractor claims for extra compensation due to delays or whatever reason attributable to the County.

b. After bid opening but prior to construction contract award, invoice the State for its share of the cost of the Project, in an amount not to exceed \$375,000.00. Be responsible for all costs of the Project over and above the States contribution of \$375,000.00, up to \$122,000.00.

c. Upon completion, approve and accept the Project on behalf of the parties hereto and provide maintenance outside the State right-of-way.

### 1. The State will:

a. Provide design plans, specifications and such other documents and services required for construction bidding and construction.

b. Within 30 days after receipt and approval of an invoice, pay the County for the States share of the cost of the Project, in an amount not to exceed \$375,000.00.

c. Upon completion and acceptance by the County, provide maintenance to the Project inside the State right-of-way.

## III. MISCELLANEOUS PROVISIONS

1. This agreement shall remain in force and effect until completion of said Project and payments; provided, however, that this agreement, except any provisions herein for maintenance, which shall be perpetual, may be canceled at any time prior to the award of a Project contract, upon thirty (30) days written notice to the other party.

2. This agreement shall become effective upon filing with the Secretary of State.

3. This agreement may be canceled in accordance with Arizona Revised Statutes Section 38-511.

4. The provisions of Arizona Revised Statutes Section 35-214 are applicable to this contract.

5. In the event of any controversy which may arise out of this agreement, the parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes Section 12-1518.

6. All notices or demands upon any party to this agreement shall be in writing and shall be delivered in person or sent by mail addressed as follows:

Arizona Department of Transportation  
Joint Project Administration  
205 South 17 Avenue, Mail Drop 616E  
Phoenix, AZ 85007

Yavapai County  
County Administrator  
1015 Fair Street  
Prescott, AZ 86301

7. Attached hereto and incorporated herein is the written determination of each party's legal counsel that the parties are authorized under the laws of this state to enter into this agreement and that the agreement is in proper form.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

YAVAPAI COUNTY, ARIZONA

STATE OF ARIZONA  
Department of Transportation

By   
BILL FELDMER, Chairman  
Board of Supervisors

By   
EDWARD D. WRIGHT  
Deputy State Engineer

ATTEST

By   
BEVERLY STADDON  
Clerk of the Board

RESOLUTION

BE IT RESOLVED on this 9th day of July 1998, that I, the undersigned MARY E. PETERS, as Director of the Arizona Department of Transportation, have determined that it is in the best interests of the State of Arizona that the Department of Transportation, acting by and through the Intermodal Transportation Division, to enter into an agreement with Yavapai County for the purpose of defining responsibilities for the construction and maintenance of new turn lanes on SR-89 and SR-69.

Therefore, authorization is hereby granted to draft said agreement which, upon completion, shall be submitted to the Deputy State Engineer for approval and execution.

A handwritten signature in black ink, appearing to read 'D. Allocco', is written over a horizontal line.

DAVID ALLOCCO, Manager  
Engineering Technical Group  
for Mary E. Peters, Director

**CERTIFIED COPY OF ENTRY IN OFFICIAL MINUTES  
OF THE YAVAPAI COUNTY BOARD OF SUPERVISORS**

YAVAPAI COUNTY            )  
                                      ) ss.  
ARIZONA                    )

Bev Staddon, having been first duly sworn, deposes and says:

I am the duly appointed, qualified and acting Clerk of the Yavapai County Board of Supervisors and in such capacity under the provisions of ARS §11-241 am charged with the responsibilities, among others, of recording all proceedings of the Board and maintaining custody of such records of the Board as are required by law to be maintained. Among the records of which I have custody is the official minute book of the Board of Supervisors which under the provisions of ARS §11-217 is required to be made and kept.

Set forth below is a copy of an entry in the aforesaid minute book of which, as aforesaid, I am the officer having the legal custody. This is my certificate under the provisions of Rule 44(A), Rules of Civil Procedure, and the Uniform Business Records Act, that the said copy is a true and correct copy thereof, to which I attest by my signature subscribed hereunto:

Date of meeting of which the minutes are a record:, October 5, 1998.

The entry in the said minutes:


Consent Agenda for Board of Supervisors: Unless otherwise noted, all items were approved by unanimous vote. Motion by Supervisor Brownlow, second by Supervisor Davis. No comments from the public...

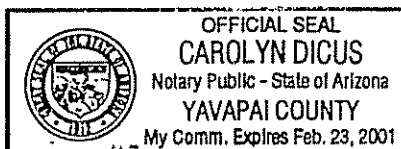
8. Requests from Public Works Department:
- a. Approve intergovernmental agreement with Arizona Department of Transportation for State Route 89 and State Route 69 turn lanes. Half-cent sales tax project.

  
Bev Staddon, Clerk

SUBSCRIBED AND SWORN to before me October 19, 1998.

My Commission Expires:

  
Notary Public



APPROVAL OF THE YAVAPAI COUNTY ATTORNEY

I have reviewed the above referenced proposed intergovernmental agreement, between the DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, and YAVAPAI COUNTY and declare this agreement to be in proper form and within the powers and authority granted to the County under the laws of the State of Arizona.

DATED this 19<sup>th</sup> day of October, 1998.



County Attorney

PROJECT 999 SW 000 H5021 01D  
FEDERAL REFERENCE NO. N-900-0-352  
SR 89 @ BIG CHINO ROAD  
PAULDEN, MP 337.58  
SR 89

## SCOPING LETTER

June, 1998

PREPARED FOR:

THE ARIZONA DEPARTMENT OF TRANSPORTATION  
INTERMODAL TRANSPORTATION DIVISION  
ROADWAY ENGINEERING GROUP  
STATEWIDE PROJECT MANAGEMENT GROUP

PREPARED BY:

STANTECH CONSULTING, INC.  
7776 POINTE PARKWAY WEST, SUITE 290  
PHOENIX, ARIZONA 85044

## A. INTRODUCTION

Project 999 SW 000 H5021 01 D, Federal Reference Number N-900-0-352, in the Community of Paulden is a safety project which is described as an intersection improvement.

The project is located on SR 89 at Big Chino Road, in Yavapai County, in the Community of Paulden. The project limits begin at MP 337.58 on SR 89 and will extend through the intersection.

This project will improve the intersection by constructing a SB Right Turn Lane and a NB Left Turn Lane matching the 8' shoulders and utilizing 40' radius returns.

Yavapai County and ADOT are working on a Letter of Understanding for numerous roadway projects within their joint jurisdiction which will be built in the near future. This agreement will detail agency responsibilities for each project.

The project is not listed in the 1998 ADOT Five-Year Highway Construction Program. The preliminary estimated cost for this project is \$232,400. This project may be advertised for design.

The purpose of this project is to improve safety at the intersection.

## B. BACKGROUND DATA

The Milepost Strip Map shows the following projects have been constructed within the project limits:

<u>PROJECT NO.</u>	<u>BEGIN M.P.</u>	<u>END M.P.</u>	<u>DATE</u>	<u>AS-BUILT DESCRIPTION</u>
NF 61(51)A	318.70	340.36	1950	Seal Coat
F-025-2-905	320.10	338.05	1971	Seal Coat
F-025-2-908	329.00	338.50	1977	Seal Coat
F-025-2(6)	332.00	339.35	1967	AC
NF-025-1-61A	337.50	338.98	1962	BST

The average daily traffic for 1998 is 2,590 vehicles per day, the projected ADT for 2018 is 4,490 vehicles per day. The traffic design factors are: K=10%, D=56% and T=12%.

There are no traffic counter system loop detectors located within the project limits.

This is a three leg intersection where SR 89 comprises the North and South legs, and Big Chino Road comprises the West Leg. At the intersection, SR 89 is a 40 ft wide two 12 ft lane, two-way highway with eight foot shoulders. The as-built cross slope is 1.5%.

Big Chino Road is a 36 feet wide two 12 ft lane, two way road with 6 ft shoulders.

Big Chino Road is controlled by a stop sign.

The posted speed limit for the northbound and southbound approach (SR 89) is 65 mph, and the eastbound approach (Big Chino Road) is 35 mph. The AASHTO functional classification for SR 89 is level rural major collector and will utilize a design speed of 70 mph.

The ADOT Statewide Permit Log indicates the following utilities within the project limits: underground electrical lines(Mountain Bell), aerial electrical line(APS), and underground gas line(Citizen Utilities).

There is 1 major drainage structure (span greater than 20 feet) listed in the bridge log within the project limits: 3-10'X10'X77' reinforced concrete box culvert. This structure is located on the south leg of SR 89; approximately 800 feet from the intersection(MP 337.60)

The Traffic Studies Branch has completed a preliminary accident analysis on SR 89 from MP 337.58 to 337.89. A total of 5 accidents were reported during a five-year evaluation period beginning January 1, 1993 and ending December 31, 1997. These include 2 property damage accidents, 3 non-fatal injury accidents, and no fatal accidents.

The existing right-of-way corridor is 211.80 feet wide on the north leg of SR 89 (100 feet east and 111.8 feet west of the existing centerline). The existing right-of-way corridor is 200.0 feet wide on the south leg of SR 89 (100 feet east and 100 feet west of the existing centerline).

### C. PROJECT SCOPE

The project limits will begin at MP 337.58 and end at MP 337.89.

Construct a southbound Right Turn Lane on the north leg and a northbound Left Turn Lane on the south leg utilizing 40' radius returns. The roadway will be widened to accommodate 12 ft lane additions and 8 ft shoulders (see Figure 2). The existing outside edge of pavement at the modified areas will be sawcut to remove 1 ft and provide a flush edge to match with the new pavement. All new pavement sections will consist of 4" of AC over 8" of AB.

Reconstruct approximately 700 ft of guardrail on the southwest side of the roadway at the box culvert location to accommodate the south leg left-turn lane addition. Approximately 350 ft of new guardrail will be constructed on the southeast side of the roadway at the box culvert location to accommodate the left-turn lane addition.

Relocate the Stop Sign for Big Chino Road and delineators as per ADOT Roadway Design Guidelines.

Intersection improvements will require approximately 3,375 ft of stripe obliteration and 11,640 ft of new pavement marking.

Borrow will be required.

### D. DEVELOPMENT CONSIDERATIONS

Yavapai County and ADOT are working on a Letter of Understanding for numerous roadway projects within their joint jurisdiction which will be built in the near future.

There is one programmed project in the vicinity listed in the April 1998 5-Year Bid Date Report. Project 089 YV 338 H-4541-01 C, Paulden-Hells Canyon, scheduled for bid in February 2000 will construct an R&R and ARFC overlay from MP 338.0 to MP 345.8.

ADOT Environmental Planning will determine if there are any special environmental or archaeological concerns and prepare the required documentation.

A National Pollutant Discharge Elimination System (NPDES) Permit will not be required because less than 2.02 hectares (five acres) of land will be disturbed; however this project will be reviewed during design by Roadway Development Section to determine if a Storm Water Pollution Prevention Plan (SWPPP) is required.

Relocation of existing signs and delineator posts will be performed by ADOT District forces.

The project is not located in a non-attainment area.

Coordination with the Community of Paulden, Yavapai County and ADOT will be required.

No right-of-way or construction easements are required

Utility work is anticipated in relocating the buried gas line. ADOT's Utilities and Railroad Services will verify whether or not additional utilities are involved.

The project elevation is 4,400 ft, therefore the construction season is a consideration due to AC placement.

Traffic control requirements will be addressed by reference to the ADOT Traffic Control Manual and/or by special provision.

A Location Survey will be required.

The "Procedural Guide for Review of the AASHTO Controlling Design Criteria on Existing ADOT Roadways" was not used because this project is singular in scope.

This project will be designed in English Units.

#### **E. OTHER REQUIREMENTS**

This project may be built with Joint Agency funds. The design will be prepared by a Consultant and will be constructed as stated in the IGA.

The Preconstruction Engineering Model, CPS ID, and advertising date are not established.

#### **F. ESTIMATED COST**

Total Project Cost	<b>\$232,400</b>
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Cost is based upon unit prices obtained from ADOT's "Construction Costs 1997". The estimate is based on a new pavement section of 4" of AC over 8" of AB and is based upon a discussion with ADOT Prescott District. The right turn taper rates is based on ADOT's Roadway Design Guidelines for a design speed of 70 mph, level terrain, and an undivided roadway.

#### **G. REQUIRED ACTION BY PRIORITY PLANNING COMMITTEE**

Approve and program the project.

# INVOLVEMENT SHEET

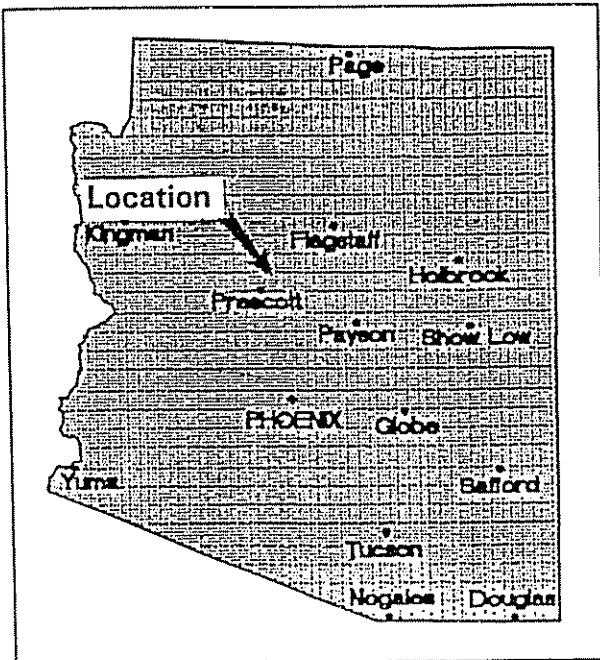
999 SW 000 H5021 01 D  
FEDERAL REFERENCE NO. N-900 0-352  
SR 89 AT BIG CHINO ROAD, PAULDEN, MP 337.58  
SR 89

FIELD REVIEW	CONTACT	INVOLVEMENT	SIGNIFICANT	MINIMUM	NONE	UNKNOWN	COMMENTS IDENTIFYING ISSUES WHICH MAKE INVOLVEMENT SIGNIFICANT OR MINIMAL
X	X	PRESCOTT DISTRICT	X				CONSTRUCTION ENGINEERING & ADMINISTRATION COORDINATION: LETTER OF UNDERSTANDING
		RIGHT-OF-WAY			X		R/W ACQUISITION WILL NOT BE REQUIRED
		ELECTRICAL DESIGN			X		
	X	TRAFFIC DESIGN	X				REVIEW PAVEMENT MARKING AND SIGNING
		TRAFFIC STUDIES			X		
		BRIDGE DESIGN			X		
		DRAINAGE DESIGN			X		
		PAVEMENT DESIGN		X			REVIEW MATERIALS MEMO
	X	GEOTECH SECTION		X			REVIEW GEOTECHNICAL MEMO
		ENVIRONMENTAL PLANNING	X				PREPARE ENVIRONMENTAL DOCUMENTATION
	X	ROADWAY DESIGN	X				REVIEW ROADWAY PLANS - CONSULTANT DESIGN
		UTILITY & RAILROAD		X			APPROVE CLEARANCE MEMO
		ENGINEERING SURVEY			X		LOCATION SURVEY BY CONSULTANT
		PHOTOGRAMMETRY & MAPPING			X		
		ROADSIDE DEVELOPMENT	X				PREPARE SEEDING SPECIFICATIONS
		FHWA			X		NO FEDERAL FUNDING
X	X	SPMS	X				DESIGNED BY ON-CALL CONSULTANT PM: BARRY BROWN
		CONTRACTS & SPECIFICATIONS	X				REVIEW SPECIFICATIONS AND ESTIMATE. ADVERTISE PROJECT
	X	COMM. OF PAULDEN		X			COORDINATION
X	X	YAVAPAI COUNTY	X				COORDINATION: LETTER OF UNDERSTANDING

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
Federal Reference No. N-900-0-352  
SR 89 @ Big Chino Road, Paulden, 337 58  
SR 89

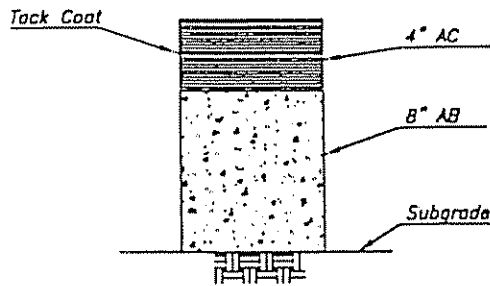
ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	3,956	\$ 15.00	\$ 59,330
AGGREGATE BASE	CY	641	\$ 25.00	\$ 16,010
REMOVE ASPHALT CONCRETE	SY	341	\$ 1.25	\$ 430
ASPHALT CONCRETE (MISC STRUCT)	TONS	516	\$ 50.00	\$ 25,790
SAWCUT	LF	3,068	\$ 1.00	\$ 3,070
RELOCATE GUARD RAIL	LF	700	\$ 10.00	\$ 7,000
NEW GUARD RAIL	LF	400	\$ 12.00	\$ 4,800
NEW GUARD RAIL END TERMINALS(GET's)	EACH	4	\$ 2,500.00	\$ 10,000
STRIPE OBLITERATION	LF	3,375	\$ 1.00	\$ 3,380
PAVEMENT MARKING	LF	11,640	\$ 0.25	\$ 2,910
SIGNING	LSUM	-	\$ 2,000.00	\$ -
SEEDING	ACRES	1.41	\$ 1,500.00	\$ 2,110
				\$ 134,830
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 20,200
MOBILIZATION (10%)				\$ 13,500
DUST AND WATER PALLIATIVE (2%)				\$ 2,700
QUALITY CONTROL (2%)				\$ 2,700
CONSTRUCTION SURVEY (5%)				\$ 6,700
EROSION CONTROL (1%)				\$ 1,300
WATER/MOBILIZATION TOTAL				\$ 47,100
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 40,400
TOTAL CONSTRUCTION COST				\$ 222,300
PRELIMINARY ENGINEERING (7.5%)				\$ 10,100
PROJECT TOTAL				\$ 232,400



SR 89 at Big Chino Road, Paulden, MP 337.58  
Prescott - Ashfork Highway  
SR 89

## PROJECT LOCATION MAP

TRAIL SECTION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	MD.				



SECTION NO. 1  
New Right Turn Lane/Shoulder Section  
NTS

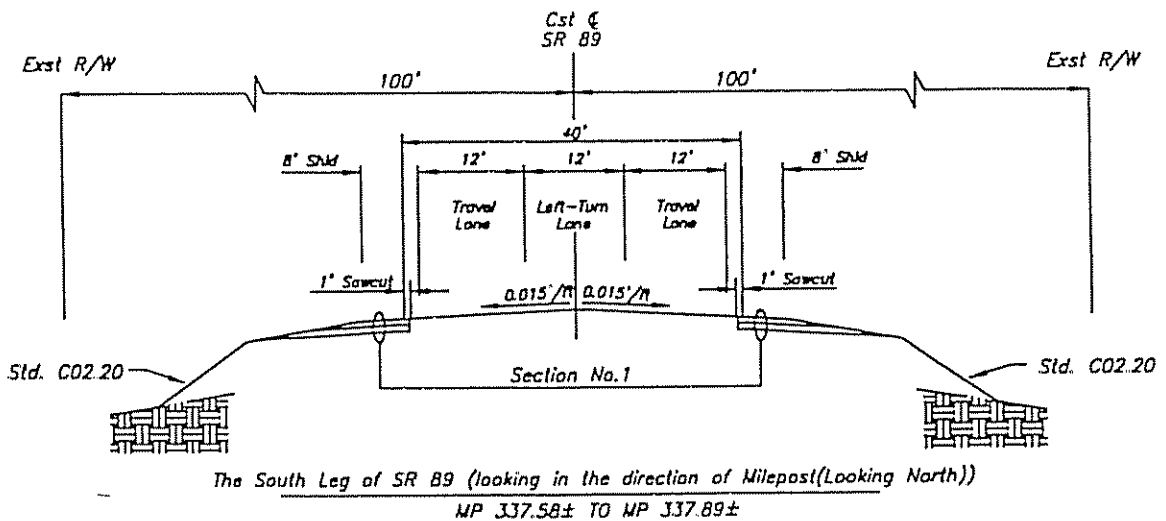
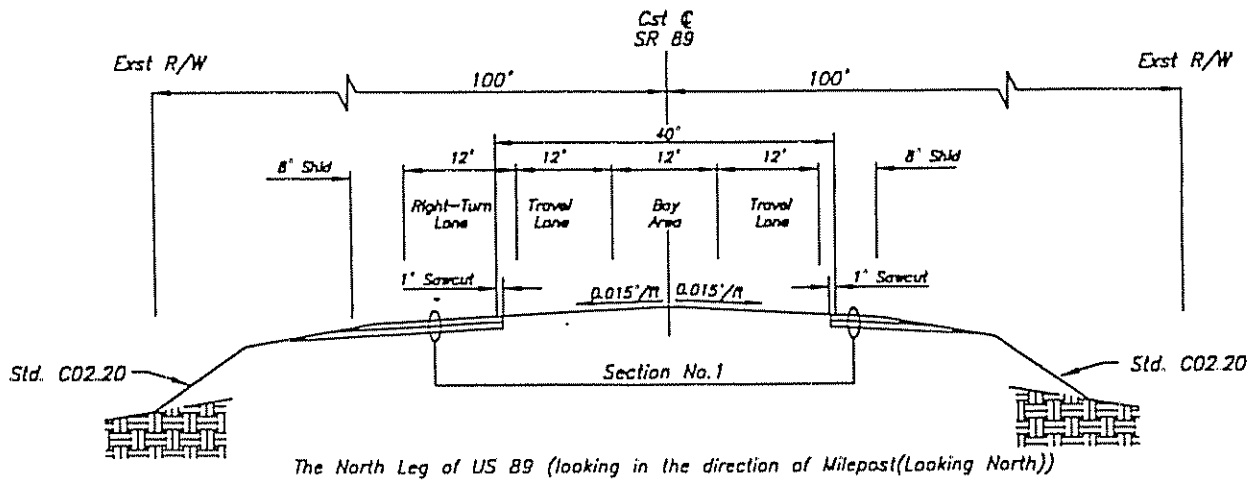


Figure 3  
Typical Section  
NTS

999 SW H5021 01 D  
Federal Ref. # N-900-0-352  
SR 89 at Big China Road, Paulden  
Prescott - Ash Fork Highway  
SR 89

PROJECT 999 SW 000 H5021 01D  
FEDERAL REFERENCE NO. N-900-0-352  
SR 69: 6 PRESCOTT INTERSECTIONS  
PRESCOTT VALLEY, MP 290.80  
SR 69

## SCOPING LETTER

June, 1998

PREPARED FOR:

THE ARIZONA DEPARTMENT OF TRANSPORTATION  
INTERMODAL TRANSPORTATION DIVISION  
ROADWAY ENGINEERING GROUP  
STATEWIDE PROJECT MANAGEMENT GROUP

PREPARED BY:

STANTECH CONSULTING, INC.  
7776 POINTE PARKWAY WEST, SUITE 290  
PHOENIX, ARIZONA 85044

## A. INTRODUCTION

Project 999 SW 000 H5021 01 D, Federal Reference Number N-900-0-352, 6 intersections along SR 69 beginning at MP 290.80 in Prescott Valley is a safety project which is described as intersection improvements.

The project is located on State Route 69, in Yavapai County, in Prescott Valley. The project limits begin at MP 290.80 on SR 69 and will extend through to MP 291.60.

This project improves safety at the intersection by constructing a right-turn lane to allow better turning movements.

The Town of Prescott Valley, City of Prescott, Yavapai County, and ADOT are working on a Letter of Understanding for numerous roadway projects within their joint jurisdiction which will be built in the near future. This agreement will detail agency responsibilities for each project.

The project is not listed in the 1998 ADOT Five-Year Highway Construction Program. The preliminary estimated cost for this project is \$265,100. This project may be advertised for design.

The purpose of this project is to improve safety at the intersection.

## B. BACKGROUND DATA

The Milepost Strip Map shows the following projects have been constructed within the project limits:

<u>PROJECT NO.</u>	<u>BEGIN M.P.</u>	<u>END M.P.</u>	<u>DATE</u>	<u>AS-BUILT DESCRIPTION</u>
F-029-1(1)	279.0	296.66	1971	AC
F-029-1-60B	283.0	293.00	1959	Seal Coat
NS 38(53)A	283.6	292.72	1953	BS-BST
S 38(7)	283.6	292.62	1952	Grading & Drainage
F-029-1(3)	286.7	289.58	1985	Grad. & Drain., Resurf., Signal
F-029-1(6)	289.6	294.55	1987	Grading & Drainage, AC
F-029-1-503	290.0	290.42	1987	Landscaping

The average daily traffic for 1998 is 23,950 vehicles per day, the projected ADT for 2018 is 38,450 vehicles per day. The traffic design factors are: K=10%, D=58% and T=11.2%. There are no traffic counter system loop detectors located within the project limits.

State Route 69 consists of four 12 ft travel lanes (two lanes in each direction), with a continuous 12 ft left-turn lane with 8 ft shoulders. The as-built cross slope is 2.0%.

There are six intersections along SR 69 that will receive right-turn lanes within the project limits; all of which distribute two-way traffic. The intersections are as follows:

<u>Mile Post</u>		<u>Roadway Width</u>
290.8	Diamond Drive(North Leg)	44 ft
291.1	Ramada Drive(North Leg)	38 ft
291.3	Rhinestone Drive(North Leg)	46 ft
291.3	Turquoise Drive(South Leg)	46 ft
291.6	Robin Drive(North Leg)	56 ft
291.0	Onyx Drive(South Leg)	46 ft

All 6 intersection turnouts entering SR 69 are controlled by stop signs.

The posted speed limit for SR 69 is 55 mph.

The ADOT Statewide Permit Log indicates the following utilities within the project limits: water line (Diamond Valley), buried and aerial cable(Mountain Bell), and a gas main (Citizen Utilities).

There are 5 minor drainage structures (span less than 20 feet) within the project limits. These structures include 3 Corrugated Metal Pipe and 2 Concrete Box Culverts.

The Traffic Studies Branch has completed a preliminary accident analysis on SR 69 from MP 290.80 to MP 290.60. A total of 26 accidents were reported during a five-year evaluation period beginning January 1, 1993 and ending December 31, 1997. These include 19 property damage accidents, 7 non-fatal injury accidents, and no fatal accidents.

The existing right-of-way corridor is 200 feet wide along SR 69 (100 feet north and 100 feet south of the existing centerline).

### C. PROJECT SCOPE

The project limits will begin at MP 290.80 and end at MP 291.60.

Modifications that are required at all six intersections are as follows:

Construction will consist of widening the roadway 8ft to accommodate 12 foot right-turn lane and 4 foot shoulders. These right turn additions will consist of an 80 foot right-turn taper(10:1) and a 420 foot deceleration/storage bay ending with a 40 foot radius return matching into existing (see Figure 2).

The existing outside edge of widened pavement will be sawcut to remove 1 ft and provide a flush edge to match with the new pavement. The new pavement section will consist of 4" of AC over 8" of AB.

All modified shoulder locations except Rhinestone Drive will require milling to remove rumble strip and the milled area will receive a 2" AC overlay.

All locations will require relocating signs and delineator posts to accommodate the right-turn lane addition.

Approximately 564 feet of striping will be removed and approximately 1048 feet of new striping will be required to accommodate the right-turn lane addition.

Borrow will be required at each location.

Additional modifications that are site specific are as follows:

#### DIAMOND DRIVE(WB Right-Turn Lane) MP 290.8

Relocate approximately 250 ft of guardrail to accommodate the right-turn lane addition.

Remove the private driveway access approximately 280 ft west of Diamond Drive.

#### RAMADA DRIVE(WB Right-Turn Lane) MP 291.1

None

RHINESTONE DRIVE(WB Right-Turn Lane) MP 291.3

Extend the existing 24" CMP to match the improved radius return; investigate adequacy of 24" CMP to carry design flows.

TURQUOISE DRIVE(EB Right-Turn Lane) MP 291.3

Remove and salvage approximately 450 ft of guardrail to accommodate the right-turn lane addition.

Remove approximately 250 ft of embankment curb and an embankment spillway and replace with a 6" Type "A" curb and gutter and embankment spillway to accommodate a right-turn lane addition.

ROBIN DRIVE(WB Right-Turn Lane)MP 291.6

None

ONYX DRIVE(EB Right-Turn Lane) MP 291.0

None

**D. DEVELOPMENT CONSIDERATIONS**

The Town of Prescott Valley, City of Prescott, Yavapai County, and ADOT are working on a Letter of Understanding for numerous roadway projects within their joint jurisdiction which will be built in the near future.

ADOT Environmental Planning will determine if there are any special environmental or archaeological concerns and prepare the required documentation.

A National Pollutant Discharge Elimination System (NPDES) Permit will not be required because less than 2.02 hectares (five acres) of land will be disturbed; however this project will be reviewed during design by Roadway Development Section to determine if a Storm Water Pollution Prevention Plan (SWPPP) is required.

Relocation of existing signs and delineator posts will be performed by ADOT District forces.

The project is not located in a non-attainment area.

Coordination with the Town of Prescott Valley, City of Prescott, Yavapai County and ADOT will be required.

No right-of-way or construction easements are required.

Utility work is not anticipated, however ADOT's Utilities and Railroad Services will verify whether or not additional utilities are involved.

The project elevation is 5,200 ft, therefore the construction season is a consideration due to AC placement.

Traffic control requirements will be addressed by reference to the ADOT Traffic Control Manual and/or by special provision.

A Location Survey is required.

The "Procedural Guide for Review of the AASHTO Controlling Design Criteria on Existing ADOT Roadways" was not used because this project is singular in scope.

This project will be designed in English Units.

#### E. OTHER REQUIREMENTS

This project may be built with Joint Agency funds. The design will be prepared by a Consultant and will be constructed as stated in the IGA.

The Preconstruction Engineering Model, CPS ID, and advertising date are not established.

#### F. ESTIMATED COST

Diamond Drive	\$ 50,300
Ramada Drive	\$ 45,900
Rhinestone Drive	\$ 22,900
Turquoise Drive	\$ 58,500
Robin Drive	\$ 42,300
<u>Onyx Drive</u>	<u>\$ 45,200</u>
Total Project Cost	\$265,100

Cost is based upon unit prices obtained from ADOT's "Construction Costs 1997". The estimate is based on a new pavement section of 4" of AC over 8" of AB and is based upon a discussion with ADOT Prescott District. The right turn taper rate is based on ADOT's Roadway Design Guidelines for a design speed of 60 mph, rolling terrain, and an undivided roadway.

#### G. REQUIRED ACTION BY PRIORITY PLANNING COMMITTEE

Approve and program the project.

# INVOLVEMENT SHEET

999 SW 000 H5021 01 D

FEDERAL REFERENCE NO N-900-0-352

SR 69: 6 INTERSECTIONS. PRESCOTT VALLEY, MP 290 80

SR 69

FIELD REVIEW	CONTACT	INVOLVEMENT	SIGNIFICANT	MINIMUM	NONE	UNKNOWN	COMMENTS IDENTIFYING ISSUES WHICH MAKE INVOLVEMENT SIGNIFICANT OR MINIMAL
X	X	PRESCOTT DISTRICT	X				CONSTRUCTION ENGINEERING & ADMINISTRATION COORDINATION: LETTER OF UNDERSTANDING
		RIGHT-OF-WAY			X		R/W ACQUISITION WILL NOT BE REQUIRED
		ELECTRICAL DESIGN			X		
	X	TRAFFIC DESIGN	X				REVIEW PAVEMENT MARKING, SIGNING, & DETAILED TRAFFIC CONTROL PLANS
		TRAFFIC STUDIES		X			PREPARE ACCIDENT ANALYSIS
		BRIDGE DESIGN			X		
		DRAINAGE DESIGN		-	X		
		PAVEMENT DESIGN		X			REVIEW MATERIALS MEMO
	X	GEOTECH SECTION		X			REVIEW GEOTECHNICAL MEMO
		ENVIRONMENTAL PLANNING	X				PREPARE ENVIRONMENTAL DOCUMENTATION
		ROADWAY DESIGN	X				REVIEW ROADWAY PLANS - CONSULTANT DESIGN
		UTILITY & RAILROAD		X			APPROVE CLEARANCE MEMO
		ENGINEERING SURVEY			X		LOCATION SURVEY BY CONSULTANT
		PHOTOGRAMMETRY & MAPPING			X		
		ROADSIDE DEVELOPMENT	X				PREPARE SEEDING SPECIFICATIONS
		FHWA			X		NO FEDERAL FUNDING
X	X	SPMS	X				DESIGNED BY ON-CALL CONSULTANT PM: BARRY BROWN
		CONTRACTS & SPECIFICATIONS	X				REVIEW SPECIFICATIONS AND ESTIMATE. ADVERTISE PROJECT
	X	PRESCOTT VALLEY	X				COORDINATION: LETTER OF UNDERSTANDING
		CITY OF PRESCOTT	X				COORDINATION: LETTER OF UNDERSTANDING
X	X	YAVAPAI COUNTY	X				COORDINATION: LETTER OF UNDERSTANDING. COUNTY FUNDING

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
 Federal Reference No. N-900-0-352  
 Project Name: 6 Intersections, Prescott Valley  
 Route: SR 69  
 SR 69 @ Diamond Drive

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	489	\$ 15.00	\$ 7,330
AGGREGATE BASE	CY	113	\$ 25.00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1.25	\$ 80
REMOVE ASPHALT CONCRETE(MILLING)	SY	444	\$ 15.00	\$ 6,670
ASPHALT CONCRETE (MISC STRUCT)	TONS	159	\$ 50.00	\$ 7,940
SAWCUT	LF	564	\$ 1.00	\$ 560
RELOCATE GUARD RAIL	LF	250	\$ 10.00	\$ 2,500
STRIPE OBLITERATION	LF	564	\$ 1.00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0.25	\$ 260
SIGNING	LSUM	-	\$ 2,000.00	\$ -
SEEDING	ACRES	0.2	\$ 1,500.00	\$ 330
				\$ 29,050
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 4,400
MOBILIZATION (10%)				\$ 2,900
DUST AND WATER PALLIATIVE (2%)				\$ 600
QUALITY CONTROL (2%)				\$ 600
CONSTRUCTION SURVEY (5%)				\$ 1,500
EROSION CONTROL (1%)				\$ 300
WATER/MOBILIZATION TOTAL				\$ 10,300
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 8,700
TOTAL CONSTRUCTION COST				\$ 48,100
PRELIMINARY ENGINEERING (7.5%)				\$ 2,200
PROJECT TOTAL				\$ 50,300

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
 Federal Reference No N-900-0-352  
 Project Name: 6 Intersections, Prescott Valley  
 Route: SR 69  
 SR 69 @ Ramada Drive

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	493	\$ 15.00	\$ 7,390
AGGREGATE BASE	CY	113	\$ 25.00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1.25	\$ 80
REMOVE ASPHALT CONCRETE(MILLING)	SY	444	\$ 15.00	\$ 6,670
ASPHALT CONCRETE (MISC STRUCT)	TONS	159	\$ 50.00	\$ 7,940
SAWCUT	LF	564	\$ 1.00	\$ 560
STRIPE OBLITERATION	LF	564	\$ 1.00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0.25	\$ 260
SIGNING	LSUM	-	\$ 2,000.00	\$ -
SEEDING	ACRES	0.2	\$ 1,500.00	\$ 330
				\$ 26,610
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 4,000
MOBILIZATION (10%)				\$ 2,700
DUST AND WATER PALLIATIVE (2%)				\$ 500
QUALITY CONTROL (2%)				\$ 500
CONSTRUCTION SURVEY (5%)				\$ 1,300
EROSION CONTROL (1%)				\$ 300
WATER/MOBILIZATION TOTAL				\$ 9,300
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 8,000
TOTAL CONSTRUCTION COST				\$ 43,900
PRELIMINARY ENGINEERING (7.5%)				\$ 2,000
PROJECT TOTAL				\$ 45,900

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
 Federal Reference No. N-900-0-352  
 Project Name: 6 Intersections. Prescott Valley  
 Route: SR 69  
 SR 69 @ Rhinestone Drive

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	141	\$ 15 00	\$ 2,110
AGGREGATE BASE	CY	113	\$ 25 00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1 25	\$ 80
ASPHALT CONCRETE (MISC STRUCT)	TONS	110	\$ 50 00	\$ 5,520
SAWCUT	LF	564	\$ 1 00	\$ 560
24" CMP	LF	10	\$ 50 00	\$ 500
FLARED END SECTION	EACH	1	\$ 500 00	\$ 500
STRIPE OBLITERATION	LF	564	\$ 1 00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0 25	\$ 260
SIGNING	LSUM	-	\$ 2,000 00	\$ -
SEEDING	ACRES	0 2	\$ 1,500 00	\$ 330
				\$ 13,240
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 2,000
MOBILIZATION (10%)				\$ 1,300
DUST AND WATER PALLIATIVE (2%)				\$ 300
QUALITY CONTROL (2%)				\$ 300
CONSTRUCTION SURVEY (5%)				\$ 700
EROSION CONTROL (1%)				\$ 100
WATER/MOBILIZATION TOTAL				\$ 4,700
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 4,000
TOTAL CONSTRUCTION COST				\$ 21,900
PRELIMINARY ENGINEERING (7.5%)				\$ 1,000
PROJECT TOTAL				\$ 22,900

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
 Federal Reference No N-900-0-352  
 Project Name: 6 Intersections. Prescott Valley  
 Route: SR 69  
 SR 69 @ Turquoise Drive

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	493	\$ 15 00	\$ 7,390
AGGREGATE BASE	CY	113	\$ 25 00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1.25	\$ 80
REMOVE ASPHALT CONCRETE(MILLING)	SY	444	\$ 15 00	\$ 6,670
ASPHALT CONCRETE (MISC STRUCT)	TONS	159	\$ 50 00	\$ 7,940
SAWCUT	LF	564	\$ 1 00	\$ 560
REMOVE AND SALVAGE GUARD RAIL	LF	450	\$ 5 00	\$ 2,250
REMOVE EMBANKMENT CURB	LF	250	\$ 2 00	\$ 500
TYPE "A" CURB AND GUTTER	LF	250	\$ 6 00	\$ 1,500
REMOVE EMBANKMENT SPILLWAY AND INLET	EACH	1	\$ 500 00	\$ 500
EMBANKMENT SPILLWAY AND INLET	EACH	1	\$ 2,500 00	\$ 2,500
STRIPE OBLITERATION	LF	564	\$ 1 00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0 25	\$ 260
SIGNING	LSUM	-	\$ 2,000 00	\$ -
SEEDING	ACRES	0.2	\$ 1,500 00	\$ 330
				\$ 33,860
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 5,100
MOBILIZATION (10%)				\$ 3,400
DUST AND WATER PALLIATIVE (2%)				\$ 700
QUALITY CONTROL (2%)				\$ 700
CONSTRUCTION SURVEY (5%)				\$ 1,700
EROSION CONTROL (1%)				\$ 300
WATER/MOBILIZATION TOTAL				\$ 11,900
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 10,200
TOTAL CONSTRUCTION COST				\$ 56,000
PRELIMINARY ENGINEERING (7.5%)				\$ 2,500
PROJECT TOTAL				\$ 58,500

# ITEMIZED COST ESTIMATE

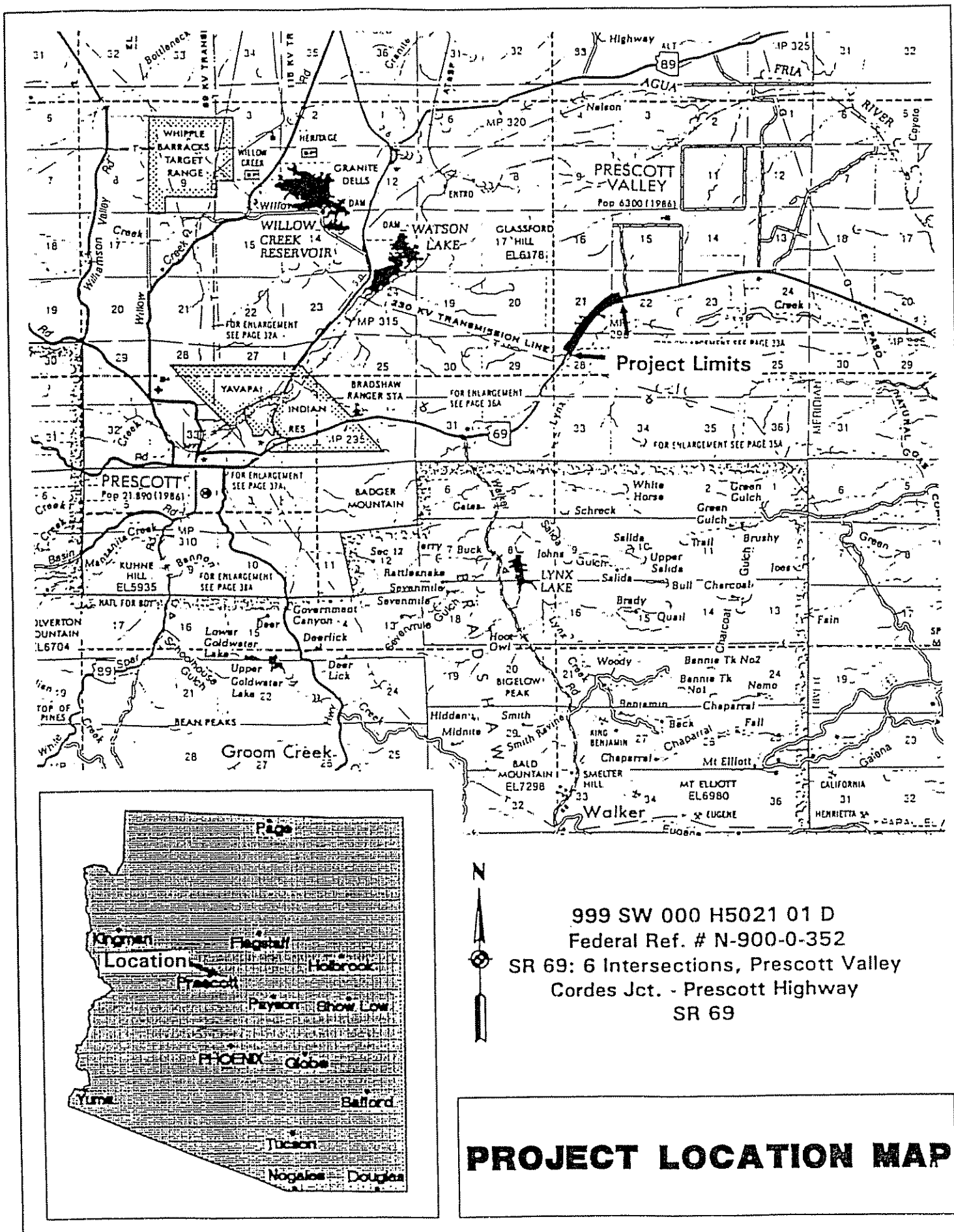
999 SW 000 H5021 01 D  
 Federal Reference No. N-900-0-352  
 Project Name: 6 Intersections Prescott Valley  
 Route: SR 69  
 SR 69 @ Robin Drive(North)

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	352	\$ 15.00	\$ 5,280
AGGREGATE BASE	CY	113	\$ 25.00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1.25	\$ 80
REMOVE ASPHALT CONCRETE(MILLING)	SY	444	\$ 15.00	\$ 6,670
ASPHALT CONCRETE (MISC STRUCT)	TONS	159	\$ 50.00	\$ 7,940
SAWCUT	LF	564	\$ 1.00	\$ 560
STRIPE OBLITERATION	LF	564	\$ 1.00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0.25	\$ 260
SIGNING	LSUM	-	\$ 2,000.00	\$ -
SEEDING	ACRES	0.2	\$ 1,500.00	\$ 330
				\$ 24,500
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 3,700
MOBILIZATION (10%)				\$ 2,500
DUST AND WATER PALLIATIVE (2%)				\$ 500
QUALITY CONTROL (2%)				\$ 500
CONSTRUCTION SURVEY (5%)				\$ 1,200
EROSION CONTROL (1%)				\$ 200
WATER/MOBILIZATION TOTAL				\$ 8,600
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 7,400
TOTAL CONSTRUCTION COST				\$ 40,500
PRELIMINARY ENGINEERING (7.5%)				\$ 1,800
PROJECT TOTAL				\$ 42,300

# ITEMIZED COST ESTIMATE

999 SW 000 H5021 01 D  
 Federal Reference No. N-900-0-352  
 Project Name: 6 Intersections. Prescott Valley  
 Route: SR 069  
 SR 69 @ Onyx Drive

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ROADWAY BORROW	CY	457	\$ 15.00	\$ 6,860
AGGREGATE BASE	CY	113	\$ 25.00	\$ 2,820
REMOVE ASPHALT CONCRETE	SY	63	\$ 1.25	\$ 80
REMOVE ASPHALT CONCRETE(MILLING)	SY	444	\$ 15.00	\$ 6,670
ASPHALT CONCRETE (MISC STRUCT)	TONS	159	\$ 50.00	\$ 7,940
TACK COAT	TONS	1	\$ 160.00	\$ 160
SAWCUT	LF	564	\$ 1.00	\$ 560
STRIPE OBLITERATION	LF	564	\$ 1.00	\$ 560
PAVEMENT MARKING	LF	1,048	\$ 0.25	\$ 260
SIGNING	LSUM	-	\$ 2,000.00	\$ -
SEEDING	ACRES	0.2	\$ 1,500.00	\$ 330
				\$ 26,240
MAINTENANCE AND PROTECTION OF TRAFFIC (15%)				\$ 3,900
MOBILIZATION (10%)				\$ 2,600
DUST AND WATER PALLIATIVE (2%)				\$ 500
QUALITY CONTROL (2%)				\$ 500
CONSTRUCTION SURVEY (5%)				\$ 1,300
EROSION CONTROL (1%)				\$ 300
WATER/MOBILIZATION TOTAL				\$ 9,100
CONSTRUCTION ENGINEERING & CONTINGENCIES (30%)				\$ 7,500
TOTAL CONSTRUCTION COST				\$ 43,200
PRELIMINARY ENGINEERING (7.5%)				\$ 2,000
PROJECT TOTAL				\$ 45,200



SR 69

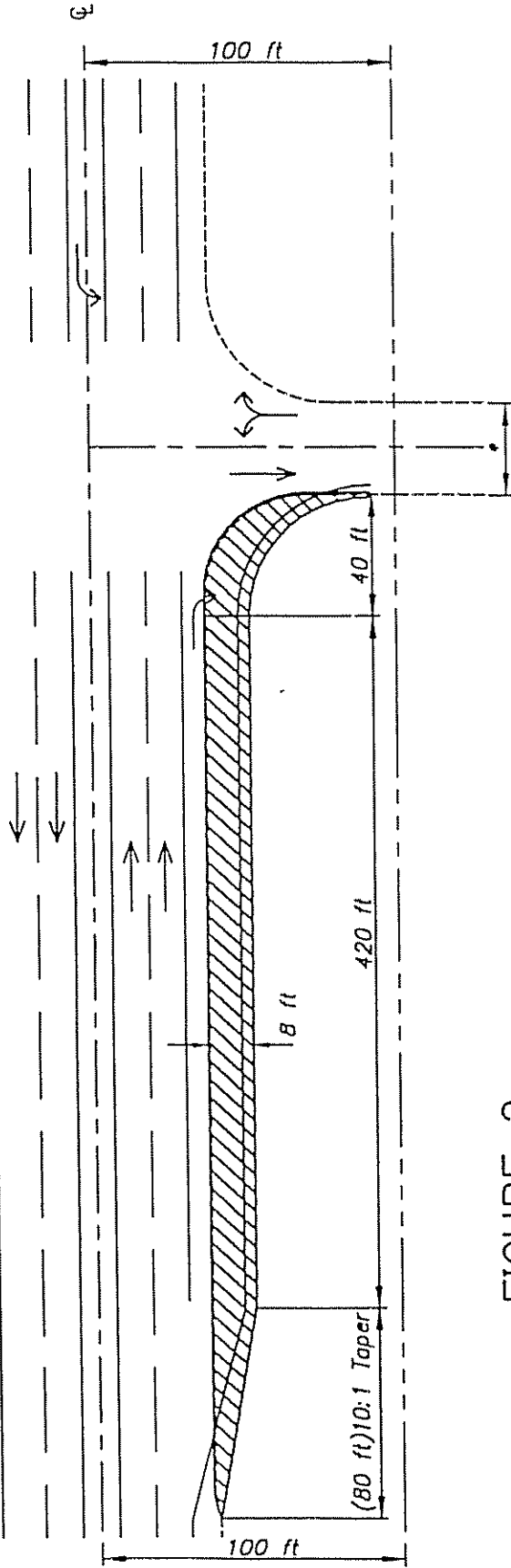
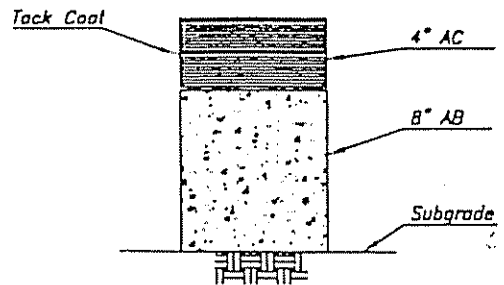


FIGURE 2  
PROPOSED IMPROVEMENTS  
(For Estimating Purposes Only)  
(Not to Scale)

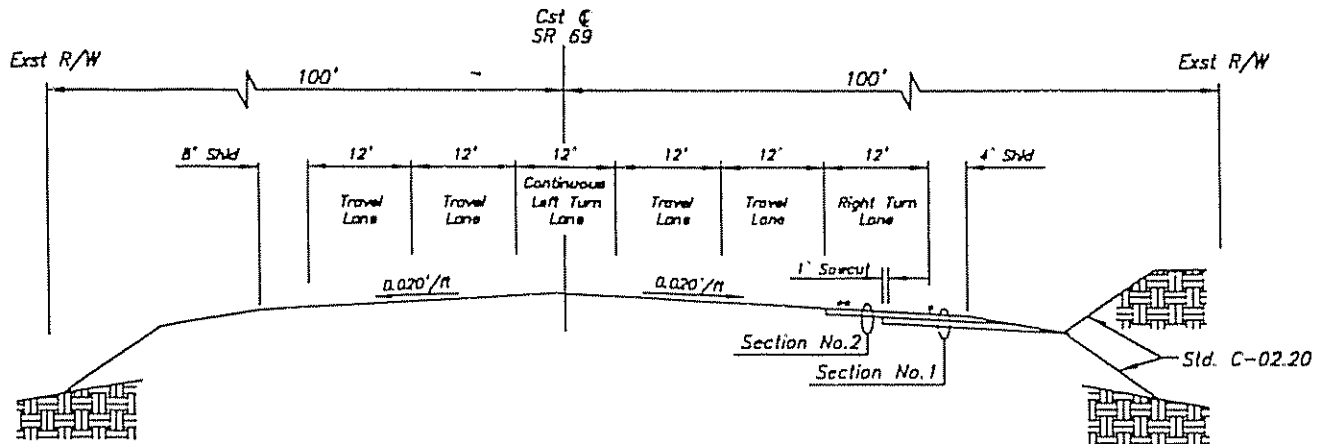
- \* MP 290.8, Diamond Dr North Leg(44 ft)
- \* MP 291.1, Ramada Dr North Leg(38 ft)
- \* MP 291.3, Rhinestone Dr North Leg(46 ft)
- \* MP 291.6, Robin Dr North Leg(56 ft)
- \* MP 291.3, Turquoise Dr South Leg(46 ft)
- \* MP 291.0, Onyx Dr South Leg(46 ft)



SECTION NO. 1  
New Right Turn Lane/Shoulder Section  
NTS



SECTION NO. 2  
Milled Shoulder Section  
NTS



Diamond Drive WB Right Turn Lane  
Ramada Drive WB Right Turn Lane  
Rhinstone Drive WB Right Turn Lane  
Robin Drive WB Right Turn Lane  
Turquoise Drive EB Right Turn Lane  
Onyx Drive EB Right Turn Lane

Figure 3  
Typical Section  
Right Turn Lane Additions  
NTS

- \* Right Turn Lane Addition looking in direction of traffic.
- \*\* No Milled area for the WB Right Turn Lane at Rhinestone Dr.

999 SW 000 H5021 01 D  
N-900-0-352  
SR 69: 6 Intersections, Prescott Valley  
Cordes Jct. - Prescott Highway  
SR 69



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**INTERGOVERNMENTAL AGREEMENT**  
**DETERMINATION**

A.G. Contract No. KR98-1613TRN, an agreement between public agencies, has been reviewed pursuant to A.R.S. § 11-952, as amended, by the undersigned Assistant Attorney General who has determined that it is in the proper form and is within the powers and authority granted to the State of Arizona.

No opinion is expressed as to the authority of the remaining parties, other than the State or its agencies, to enter into said agreement.

DATE October 27, 1998.

GRANT WOODS  
Attorney General

JAMES R. REDPATH  
Assistant Attorney General  
Transportation Section

JRR:et/16256

Enc.